

**Flood Control Project Maintenance
Levee Inspections**

Fall 2013 Levee Maintenance Deficiency Summary Report

Overall LMA & Unit Ratings, including USACE Erosion Survey

Sacramento River Basin

Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Vegetation					0.09	0.01		
Trim / Thin Trees	0.01	0.01	0.05	0.09%				
Encroachments	0.13		0.13	0.24%	5.54			
Animal Control	0.14	0.01	0.18	0.33%				
Underseepage Relief Wells	0.42	0.01	0.46	0.85%				
<i>Supplemental</i>								
USACE Erosion Survey	0.10		0.10	0.18%				
<i>LMA Totals:</i>	0.80	0.03	0.92	1.69% *	5.63	0.01	0.00	0.00

Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Vegetation					0.09	0.01		
Trim / Thin Trees	0.01	0.01	0.05	0.15%				
Encroachments	0.12		0.12	0.36%	5.54			
Animal Control	0.09	0.01	0.13	0.39%				
Underseepage Relief Wells	0.42		0.42	1.25%				
<i>Supplemental</i>								
USACE Erosion Survey	0.10		0.10	0.30%				
<i>Unit Totals:</i>	0.74	0.02	0.82	2.44% *	5.63	0.01	0.00	0.00

Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Encroachments	0.01		0.01	0.05%				
Animal Control	0.05		0.05	0.24%				
Underseepage Relief Wells		0.01	0.04	0.19%				
<i>Unit Totals:</i>	0.06	0.01	0.10	0.48% *	0.00	0.00	0.00	0.00

**Flood Control Project Maintenance
Levee Inspections
LMA District Cover Sheet
Fall 2013 Levee Inspection Results**

Reclamation District No. 1500 Sutter Basin

	Spring (March - May)	Summer ** (June - August)	Fall (September - November)	Winter ** (December - February)
* Overall LMA Rating (Fall Only)			M	

** Non-receipt of Summer or Winter Inspection Reports may effect overall annual rating.

* **SPRING INSPECTIONS:** Overall maintenance ratings are not determined for the spring inspection results. Individual maintenance deficiencies are rated using the same criteria in the spring and in the fall.

FALL INSPECTIONS: The overall maintenance rating shown above is based on operation and maintenance deficiencies identified within the attached unit inspection reports. This rating is not intended to be an indication of risk.

Comments

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2013 Levee Inspection Results

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles
Unit No. 01 Sacramento River	Left	33.58

	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			M	
Date of Inspection	-		10/01/2013 - 10/01/2013	
DWR Inspector	John Williamson		John Williamson	
Accompanied By	Jack Bailey RD 1500		Jack Bailey RD 1500	

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 1500 Sutter Basin

Waterway		Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River		Left	33.58	10/01/2013 10/01/2013	John Williamson

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
1			Earthen Levee	Operations & Maintenance Manuals	LS	A Ma				9
DWR ID: DWR_RD1500_01_s_2013_9										
2			Earthen Levee	Emergency Supplies & Equipment	LS	A Ma				55
DWR ID: DWR_RD1500_01_s_2013_55										
3			Earthen Levee	Flood Preparedness & Training	LS	A Ma				61
DWR ID: DWR_RD1500_01_s_2013_61										
4	0.03	0.03	Earthen Levee	Encroachments	LS	C Ma	FW : Firewood	38.761045 ° -121.675225 °	38.761045 ° -121.675225 °	15
DWR ID: DWR_RD1500_01_s_2012_15										
5	0.03	0.03	Earthen Levee	Animal Control	LS	M Ma	A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. Inspector Comments: There are several rodent holes in the area.	38.761015 ° -121.675235 °	38.761015 ° -121.675235 °	19 Y
DWR ID: DWR_RD1500_01_s_2012_19										
6	0.04	0.04	Earthen Levee	Animal Control	CR	M Ma	A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	38.761055 ° -121.675322 °	38.761055 ° -121.675322 °	35 Y
DWR ID: DWR_RD1500_01_s_2012_35										
7	0.05	0.05	Earthen Levee	Animal Control	LS	M Ma	A1 : Exterminate rodents and backfill and compact or grout burrows.	38.761056 ° -121.675530 °	38.761056 ° -121.675530 °	62 Y
DWR ID: DWR_RD1500_01_s_2013_62										
8	0.07	0.07	Earthen Levee	Animal Control	LS	M Ma	A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	38.761071 ° -121.675957 °	38.761071 ° -121.675957 °	5 Y
DWR ID: DWR_RD1500_01_s_2012_5										
9	0.10	0.10	Earthen Levee	Animal Control	WS	M Ma	A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. Inspector Comments: There are burrow holes are on the landside too. There are depressions on crown and appears to be part of the burrows.	38.761090 ° -121.676346 °	38.761090 ° -121.676346 °	212 Y
DWR ID: DWR_RD1500_01_s_2012_212										
10	0.28	0.28	Earthen Levee	Animal Control	WS	M Ma	A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	38.762810 ° -121.678702 °	38.762810 ° -121.678702 °	67 Y
DWR ID: DWR_RD1500_01_s_2012_67										
11	0.30	0.30	Earthen Levee	Animal Control	LS	U Ma	A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	38.763128 ° -121.678950 °	38.763128 ° -121.678950 °	68 Y
DWR ID: DWR_RD1500_01_s_2012_68										
12	0.32	0.32	Earthen Levee	Encroachments	LS	M Ma	ST : Stairway	38.763185 ° -121.679028 °	38.763185 ° -121.679028 °	53 Y
DWR ID: DWR_RD1500_01_f_2012_53										
13	0.49	0.49	Earthen Levee	Animal Control	LS	C Ma	A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	38.764442 ° -121.681621 °	38.764442 ° -121.681621 °	213 Y
DWR ID: DWR_RD1500_01_s_2012_213										

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.58	10/01/2013 10/01/2013	John Williamson

LMIR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
14	0.49	0.49	Earthen Levee	Encroachments	LS	C En	PR : Prunings	38.764480 ° -121.681884 °	38.764480 ° -121.681884 °	75 Y
DWR ID: DWR_RD1500_01_s_2013_75										
15	0.57	0.83	Earthen Levee	Vegetation	WSA/W	V8 : Environmental Requirements. Ma		38.764462 ° -121.683167 °	38.764638 ° -121.687690 °	72 Y
DWR ID: DWR_RD1500_01_s_2012_72										
16	0.64	1.06	Earthen Levee	Underseepage Relief Wells	LS	M Ma	Inspector Comments: Seepage berm was damaged last fall in prep for the agricultural field and needs to be restored by the land owner. A field investigation report was made. The seepage berm is scheduled to be repaired before next flood season.	38.764305 ° -121.684396 °	38.766827 ° -121.690884 °	76 Y
DWR ID: DWR_RD1500_01_s_2013_76										
17	1.20	1.20	Earthen Levee	Animal Control	LS A/W	A1 : Exterminate rodents and backfill and compact or Ma grout burrows.		38.768652 ° -121.692151 °	38.768652 ° -121.692151 °	63 Y
DWR ID: DWR_RD1500_01_f_2012_63										
18	1.34	1.34	Earthen Levee	Vegetation	LS	M En	V6 : Landscaping Inspector Comments: retaining wall into levee	38.770003 ° -121.690607 °	38.770003 ° -121.690607 °	4 Y
DWR ID: DWR_RD1500_01_s_2012_4										
19	1.34	1.34	Supplemental	USACE Erosion Survey	WS	M Ma	Inspector Comments: 2006 - New erosion upstream, new bank failures near levee but still fairly wide berm in most places. 2008 - Large berm, questionable as to if it should remain in the inventory. 2010 - Minor new erosion, old cobble starting to fail. 2011 - Cobble continues to unravel and additional slumping. 2012: Minor new erosion at bank mid point. [2012 Site ID: SAC_86-3_L]	38.777282 ° -121.685841 °	38.770390 ° -121.690553 °	1 Y
DWR ID:										
20	2.31	2.31	Supplemental	USACE Erosion Survey	WS	M Ma	Inspector Comments: 2010 - The upstream end of the repair site at 87.0. Repair did not extend far enough upstream. 2011 - New erosion pockets. 2012: Minor new erosion at toe. [2012 Site ID: SAC_87-1_L]	38.784936 ° -121.690033 °	38.781962 ° -121.688033 °	2 Y
DWR ID:										
21	2.57	3.83	Earthen Levee	Encroachments	LS	M En	DT : Ditch	38.785351 ° -121.689075 °	38.797174 ° -121.693045 °	963 Y
DWR ID: DWR_RD1500_01_s_2012_963										
22	3.73	3.73	Earthen Levee	Encroachments	WS	A En	BU : Building	38.797139 ° -121.691137 °	38.797139 ° -121.691137 °	6 Y
DWR ID: DWR_RD1500_01_s_2012_6										
23	3.98	3.98	Earthen Levee	Encroachments	LS	M En	BU : Building	38.797607 ° -121.695862 °	38.797607 ° -121.695862 °	7 Y
DWR ID: DWR_RD1500_01_s_2012_7										
24	4.01	4.01	Earthen Levee	Vegetation	LS	M En	V6 : Landscaping	38.797827 ° -121.695985 °	38.797827 ° -121.695985 °	8 Y
DWR ID: DWR_RD1500_01_s_2012_8										
25	4.04	4.16	Earthen Levee	Encroachments	LS	M En	DT : Ditch	38.798572 ° -121.696392 °	38.800080 ° -121.696653 °	54 Y
DWR ID: DWR_RD1500_01_s_2012_54										
26	4.20	4.20	Earthen Levee	Encroachments	LS	M En	BU : Building	38.800550 ° -121.696752 °	38.800550 ° -121.696752 °	11 Y
DWR ID: DWR_RD1500_01_s_2012_11										

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.58	10/01/2013 10/01/2013	John Williamson

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
27	4.65	4.65	Earthen Levee	Vegetation	LS	M En	V6 : Landscaping	38.803632 ° -121.702770 °	38.803632 ° -121.702770 °	12 Y
DWR ID: DWR_RD1500_01_s_2012_12										
28	5.38	5.38	Earthen Levee	Vegetation	LS	M En	V6 : Landscaping	38.803240 ° -121.715402 °	38.803240 ° -121.715402 °	14 Y
DWR ID: DWR_RD1500_01_s_2012_14										
29	5.67	5.75	Earthen Levee	Encroachments	WS	M En	BU : Building Inspector Comments: Sting Rayz Beach Boardwalk Marina on the waterside berm.	38.803005 ° -121.720380 °	38.803238 ° -121.721847 °	52 Y
DWR ID: DWR_RD1500_01_s_2012_52										
30	7.10	7.16	Earthen Levee	Encroachments	LS	M Ma	PR : Prunings	38.822594 ° -121.722821 °	38.823467 ° -121.722765 °	216 Y
DWR ID: DWR_RD1500_01_s_2012_216										
31	7.21	7.21	Earthen Levee	Trim / Thin Trees	LS	M Ma	T1 : Trim trees to at least five feet above ground level.	38.824119 ° -121.722776 °	38.824119 ° -121.722776 °	217 Y
DWR ID: DWR_RD1500_01_s_2012_217										
32	7.57	7.57	Earthen Levee	Encroachments	LS	M Ma	EQ : Equipment	38.828975 ° -121.724265 °	38.828975 ° -121.724265 °	16 Y
DWR ID: DWR_RD1500_01_s_2012_16										
33	7.62	7.62	Earthen Levee	Encroachments	WS	M En	DE : Debris	38.829693 ° -121.724915 °	38.829693 ° -121.724915 °	13 Y
DWR ID: DWR_RD1500_01_f_2013_13										
34	7.66	7.66	Earthen Levee	Vegetation	LS	M En	V6 : Landscaping	38.830260 ° -121.725357 °	38.830260 ° -121.725357 °	17 Y
DWR ID: DWR_RD1500_01_s_2012_17										
35	7.69	7.69	Earthen Levee	Encroachments	LS	C En	FW : Firewood	38.830633 ° -121.725652 °	38.830633 ° -121.725652 °	85 Y
DWR ID: DWR_RD1500_01_s_2013_85										
36	8.26	8.26	Supplemental	USACE Erosion Survey	WS	M Ma	Inspector Comments: 1997 - Damage to cobble revetment on top left bank and toe damage. 2004 - Site is pretty minor. 2010 - Cobbles continue to deteriorate. 2011 - Minor new erosion at the toe. 2012: No observed change. [2012 Site ID: SAC_92-8_L]	38.840347 ° -121.726857 °	38.838464 ° -121.730205 °	10 Y
DWR ID:										
37	8.79	8.79	Earthen Levee	Encroachments	LS	M En	BU : Building	38.842673 ° -121.726442 °	38.842673 ° -121.726442 °	18 Y
DWR ID: DWR_RD1500_01_s_2012_18										
38	9.47	9.71	Earthen Levee	Vegetation	WSA/W	M Ma	V8 : Environmental Requirements.	38.850267 ° -121.723275 °	38.853222 ° -121.724062 °	74 Y
DWR ID: DWR_RD1500_01_s_2012_74										
39	9.78	9.78	Earthen Levee	Encroachments	LS	C Ma	PI : Pipe Inspector Comments: Pipe cracked at the tee and the lid is cracked on top. The pipe has been capped and appears to not be working.	38.853565 ° -121.725201 °	38.853565 ° -121.725201 °	91 Y
DWR ID: DWR_RD1500_01_f_2012_91										
40	11.38	11.38	Earthen Levee	Encroachments	WS	C En	PR : Prunings	38.866056 ° -121.745776 °	38.866056 ° -121.745776 °	87 Y
DWR ID: DWR_RD1500_01_s_2013_87										

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 1500 Sutter Basin

Waterway		Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River		Left	33.58	10/01/2013 10/01/2013	John Williamson

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
41	11.43	11.43	Earthen Levee	Vegetation	LS	M En	V6 : Landscaping	38.866762 ° -121.746125 °	38.866762 ° -121.746125 °	20 Y
DWR ID: DWR_RD1500_01_s_2012_20										
42	11.79	11.79	Supplemental	USACE Erosion Survey	WS	M Ma	Inspector Comments: 1997 - No toe on the large upstream rubble (mix of broken concrete, bricks, rock, and steal) - should be replaced. Oversized bank. 2001 - New slump at the downstream end. 2003 - Some minor bank retreat at the downstream end. 2004 - Some new retreat at the downstream end. 2006 - Some new erosion, mainly on the steep slope and scarps. (Pumping station is not part of the erosion site.) 2010 - Minor new erosion. 2011 - Minor new erosion at the toe. 2012: No observed change. [2012 Site ID: SAC_95-8_L]	38.870581 ° -121.752059 °	38.871853 ° -121.749330 °	29 Y
DWR ID:										
43	11.93	11.93	Earthen Levee	Encroachments	WS	M Ma	DE : Debris	38.872220 ° -121.749785 °	38.872220 ° -121.749785 °	219 Y
DWR ID: DWR_RD1500_01_s_2012_219										
44	11.98	11.98	Supplemental	USACE Erosion Survey	WS	M Ma	Inspector Comments: 2000 - Vertical Modesto Formation bank with mass failure. 2003 - Upstream end has some new bank retreat. 2004 - Upstream end is worse. 2006 - Some new erosion, mainly on the steep slope and scarps. (Pumping station is not part of the erosion site.) 2010 - Some new erosion and deposition at upstream end, definite encroachments. 2011 - Minor new erosion at the toe. 2012: No observed change. [2012 Site ID: SAC_96-2_L]	38.869139 ° -121.757108 °	38.870474 ° -121.752237 °	34 Y
DWR ID:										
45	12.02	12.02	Earthen Levee	Encroachments	WS	M En	DE : Debris	38.871540 ° -121.751203 °	38.871540 ° -121.751203 °	56 Y
DWR ID: DWR_RD1500_01_f_2013_56										
46	12.15	12.15	Earthen Levee	Encroachments	WS	A En	BU : Building	38.870562 ° -121.753335 °	38.870562 ° -121.753335 °	23 Y
DWR ID: DWR_RD1500_01_s_2012_23										
47	12.31	12.31	Earthen Levee	Erosion / Bank Caving	WSA/W	M Ma	E1 : Note and monitor erosion site. Inspector Comments: wide berm	38.869700 ° -121.755945 °	38.869700 ° -121.755945 °	50 Y
DWR ID: DWR_RD1500_01_s_2012_50										
48	12.55	12.55	Earthen Levee	Encroachments	LS	M Ma	EQ : Equipment	38.868717 ° -121.760133 °	38.868717 ° -121.760133 °	24 Y
DWR ID: DWR_RD1500_01_s_2012_24										
49	12.93	12.93	Earthen Levee	Encroachments	CRA/W	M Ma	EQ : Equipment	38.865127 ° -121.765157 °	38.865127 ° -121.765157 °	25 Y
DWR ID: DWR_RD1500_01_s_2012_25										
50	13.15	13.15	Earthen Levee	Encroachments	LS	M En	BU : Building	38.863438 ° -121.768212 °	38.863438 ° -121.768212 °	26 Y
DWR ID: DWR_RD1500_01_s_2012_26										
51	13.18	13.18	Earthen Levee	Encroachments	LS	M Ma	EQ : Equipment Inspector Comments: tires	38.863081 ° -121.768781 °	38.863081 ° -121.768781 °	992 Y
DWR ID: DWR_RD1500_01_s_2012_992										

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.58	10/01/2013 10/01/2013	John Williamson

LMIR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
52	13.98	13.98	Supplemental	USACE Erosion Survey	WS	M Ma	Inspector Comments: 1997 - Intermittent toe failure of the hand placed riprap; failure of toe materials. 2012: No observed change. [2012 Site ID: SAC_99-0_L]	38.861899 ° -121.784057 °	38.857239 ° -121.783771 °	40 Y
DWR ID:										
53	14.09	14.09	Earthen Levee	Encroachments	CR	M Ma	FW : Firewood	38.857683 ° -121.782652 °	38.857683 ° -121.782652 °	27 Y
DWR ID: DWR_RD1500_01_s_2012_27										
54	14.13	14.13	Earthen Levee	Encroachments	WSA/W	EQ Ma	EQ : Equipment	38.857792 ° -121.783265 °	38.857792 ° -121.783265 °	28 Y
DWR ID: DWR_RD1500_01_s_2012_28										
55	14.32	14.32	Earthen Levee	Animal Control	LS	M Ma	A1 : Exterminate rodents and backfill and compact or grout burrows.	38.860452 ° -121.783294 °	38.860452 ° -121.783294 °	89 Y
DWR ID: DWR_RD1500_01_s_2013_89										
56	14.35	14.35	Earthen Levee	Encroachments	LS	M En	BU : Building Inspector Comments: Concrete stemwall into levee embankment.	38.860848 ° -121.783307 °	38.860848 ° -121.783307 °	30 Y
DWR ID: DWR_RD1500_01_s_2012_30										
57	14.39	14.39	Earthen Levee	Vegetation	LS	M En	V6 : Landscaping	38.861513 ° -121.783588 °	38.861513 ° -121.783588 °	31 Y
DWR ID: DWR_RD1500_01_s_2012_31										
58	14.42	14.42	Earthen Levee	Trim / Thin Trees	LS	U Ma	T3 : Trim and thin trees to allow visibility of the ground and room to flood fight.	38.861793 ° -121.783703 °	38.861793 ° -121.783703 °	77 Y
DWR ID: DWR_RD1500_01_s_2012_77										
59	14.86	15.93	Earthen Levee	Encroachments	LS	M En	DT : Ditch	38.865473 ° -121.789413 °	38.871752 ° -121.804257 °	969 Y
DWR ID: DWR_RD1500_01_s_2012_969										
60	15.27	15.27	Earthen Levee	Encroachments	LS	A En	FE : Fence Inspector Comments: Fence compound around sand separators at the toe.	38.866825 ° -121.794020 °	38.866825 ° -121.794020 °	22 Y
DWR ID: DWR_RD1500_01_s_2012_22										
61	15.27	15.27	Earthen Levee	Encroachments	WS	M En	DE : Debris Inspector Comments: A pile of rip rap and concrete needs to be removed.	38.866827 ° -121.794020 °	38.866827 ° -121.794020 °	21 Y
DWR ID: DWR_RD1500_01_s_2012_21										
62	15.94	15.94	Earthen Levee	Encroachments	WSA/W	EQ En	EQ : Equipment	38.871960 ° -121.804440 °	38.871960 ° -121.804440 °	32 Y
DWR ID: DWR_RD1500_01_s_2012_32										
63	16.37	16.37	Earthen Levee	Encroachments	LS	M En	EQ : Equipment	38.874623 ° -121.811272 °	38.874623 ° -121.811272 °	78 Y
DWR ID: DWR_RD1500_01_s_2012_78										
64	16.48	16.48	Earthen Levee	Vegetation	LS	U En	V6 : Landscaping Inspector Comments: oleanders and other shrubs	38.875873 ° -121.812410 °	38.875873 ° -121.812410 °	33 Y
DWR ID: DWR_RD1500_01_s_2012_33										
65	16.86	17.45	Earthen Levee	Encroachments	LS	M En	DT : Ditch	38.881092 ° -121.813713 °	38.887335 ° -121.808187 °	972 Y
DWR ID: DWR_RD1500_01_s_2012_972										

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.58	10/01/2013 10/01/2013	John Williamson

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
66	18.28	18.28	Supplemental	USACE Erosion Survey	WSA/W Ma		Inspector Comments: 2006 - Eddy flow and overtopping flow collide on the inside of a tight bend. Scour caused by converging flows created large scallop on the inside of a bend. 2007 - Site still looks bad. Would be a good candidate for a setback levee. 2008 - Some new deposition of sand on eddy bar. 2009 - Much of the site has filled in with sand deposition. Continuing to heal. 2010 - New deposition. 2011 - There has been some deposition as well as erosion since last year. 2012: Sediment has been depositing in the eroded area for a few years now, and the site no longer qualifies as an erosion site. Site removed. [2012 Site ID: SAC_103-4_L]	38.901199 ° -121.803225 °	38.900993 ° -121.803382 °	41 Y
								DWR ID:		
67	18.38	18.38	Supplemental	USACE Erosion Survey	WS Ma	M	Inspector Comments: 1997 - Pocket failures of cobble revetment toe; scallops of rock loss along the bank; irregular bankline developing. 2001 - Small scallops in the toe of the berm. 2005 - Still multiple erosion pockets in the toe. 2006 - Two new small slumps. 2011 - Old cobble continue to fail causing minor slumping. 2012: Portions of site appears to be stabilizing. [2012 Site ID: SAC_104-0_L]	38.902721 ° -121.790677 °	38.901337 ° -121.801175 °	43 Y
								DWR ID:		
68	18.50	18.50	Earthen Levee	Erosion / Bank Caving	WSA/W Ma		E1 : Note and monitor erosion site.	38.900873 ° -121.802680 °	38.900873 ° -121.802680 °	51 Y
								DWR ID: DWR_RD1500_01_s_2012_51		
69	19.16	19.16	Supplemental	USACE Erosion Survey	WS Ma	M	Inspector Comments: 1997 - Cobbles eroded off the clay materials; not much evidence of erosion on the toe; cobble loss on the toe. 2011 - Some minor new erosion. 2012: No observed change. [2012 Site ID: SAC_104-5_L]	38.906697 ° -121.792796 °	38.904041 ° -121.790298 °	44 Y
								DWR ID:		
70	19.19	19.19	Earthen Levee	Encroachments	LS En	M	BU : Building Inspector Comments: Concrete retaining wall toe of landside levee. Permit #10065	38.901570 ° -121.791235 °	38.901570 ° -121.791235 °	36 Y
								DWR ID: DWR_RD1500_01_s_2012_36		
71	19.22	19.22	Earthen Levee	Vegetation	LS En	M	V6 : Landscaping Inspector Comments: Concrete retaining wall along toe of landside levee. Permit #10065	38.901942 ° -121.790937 °	38.901942 ° -121.790937 °	37 Y
								DWR ID: DWR_RD1500_01_s_2012_37		
72	19.88	20.80	Earthen Levee	Vegetation	CR Ma	C	V9 : Keep the crown roadway free of vegetation.	38.906247 ° -121.796246 °	38.910231 ° -121.810370 °	93 Y
								DWR ID: DWR_RD1500_01_s_2013_93		
73	20.80	20.80	Earthen Levee	Erosion / Bank Caving	WS Ma	C	E2 : Schedule repair of erosion site prior to the next inspection.	38.910265 ° -121.810463 °	38.910265 ° -121.810463 °	100 Y
								DWR ID: DWR_RD1500_01_s_2013_100		
74	20.86	21.40	Earthen Levee	Encroachments	LS En	M	DT : Ditch	38.910177 ° -121.810352 °	38.913267 ° -121.803142 °	975 Y
								DWR ID: DWR_RD1500_01_s_2012_975		
75	21.22	21.22	Earthen Levee	Animal Control	LS Ma	C	A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	38.911005 ° -121.804420 °	38.911005 ° -121.804420 °	57 Y
								DWR ID: DWR_RD1500_01_s_2012_57		

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.58	10/01/2013 10/01/2013	John Williamson

LMIR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
76	21.29	21.29	Earthen Levee	Animal Control	LS Ma	C	A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	38.911848 ° -121.803563 °	38.911848 ° -121.803563 °	58
DWR ID: DWR_RD1500_01_s_2012_58										
77	21.69	21.91	Earthen Levee	Encroachments	LS En	C	DT : Ditch	38.916153 ° -121.806319 °	38.916127 ° -121.810326 °	59
DWR ID: DWR_RD1500_01_s_2012_59										
78	22.01	23.46	Earthen Levee	Vegetation	CR Ma	C	V9 : Keep the crown roadway free of vegetation.	38.916182 ° -121.812380 °	38.924948 ° -121.834288 °	81
DWR ID: DWR_RD1500_01_s_2012_81										
79	23.95	24.88	Earthen Levee	Vegetation	CR Ma	C	V9 : Keep the crown roadway free of vegetation.	38.930502 ° -121.834870 °	38.941543 ° -121.832290 °	82
DWR ID: DWR_RD1500_01_s_2012_82										
80	24.04	24.04	Earthen Levee	Encroachments	LS En	M	BU : Building Inspector Comments: Some equipment at landside toe.	38.931838 ° -121.834437 °	38.931838 ° -121.834437 °	42 Y
DWR ID: DWR_RD1500_01_s_2012_42										
81	24.44	24.60	Earthen Levee	Encroachments	LS En	M	DT : Ditch	38.936282 ° -121.830192 °	38.938430 ° -121.829359 °	979 Y
DWR ID: DWR_RD1500_01_s_2012_979										
82	25.05	25.05	Earthen Levee	Animal Control	LS Ma	C	A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	38.942796 ° -121.834764 °	38.942796 ° -121.834764 °	95
DWR ID: DWR_RD1500_01_f_2012_95										
83	25.17	25.17	Earthen Levee	Animal Control	LS Ma	M	A1 : Exterminate rodents and backfill and compact or grout burrows.	38.944340 ° -121.835790 °	38.944340 ° -121.835790 °	69 Y
DWR ID: DWR_RD1500_01_f_2013_69										
84	26.68	26.68	Earthen Levee	Animal Control	LS Ma	M	A1 : Exterminate rodents and backfill and compact or grout burrows.	38.962921 ° -121.832469 °	38.962921 ° -121.832469 °	97 Y
DWR ID: DWR_RD1500_01_f_2012_97										
85	26.81	29.93	Earthen Levee	Vegetation	CR Ma	C	V9 : Keep the crown roadway free of vegetation.	38.964497 ° -121.833497 °	38.989468 ° -121.800633 °	83
DWR ID: DWR_RD1500_01_s_2012_83										
86	26.84	27.07	Earthen Levee	Encroachments	LS En	M	DT : Ditch	38.964850 ° -121.833595 °	38.968083 ° -121.833593 °	982 Y
DWR ID: DWR_RD1500_01_s_2012_982										
87	27.63	27.78	Earthen Levee	Encroachments	LS En	M	DT : Ditch	38.972440 ° -121.825892 °	38.972848 ° -121.823098 °	983 Y
DWR ID: DWR_RD1500_01_s_2012_983										
88	28.57	29.60	Earthen Levee	Encroachments	LS En	M	DT : Ditch	38.983081 ° -121.819924 °	38.988512 ° -121.806463 °	38 Y
DWR ID: DWR_RD1500_01_s_2012_38										
89	29.31	29.54	Earthen Levee	Vegetation	WSA/W Ma	V8	Environmental Requirements.	38.988078 ° -121.811692 °	38.988595 ° -121.807532 °	84 Y
DWR ID: DWR_RD1500_01_s_2012_84										
90	30.14	30.14	Earthen Levee	Animal Control	LS Ma	C	A1 : Exterminate rodents and backfill and compact or grout burrows.	38.991429 ° -121.797811 °	38.991429 ° -121.797811 °	64
DWR ID: DWR_RD1500_01_s_2012_64										

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.58	10/01/2013 10/01/2013	John Williamson

LMIR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
91	30.60	30.60	Supplemental	USACE Erosion Survey	WS	M Ma	Inspector Comments: 2000 - Eroding, vertical berm slope over a vertical cohesive toe; slow erosion but getting close to the toe. 2002 - Erosion is getting close to the levee, still eroding with some new small slumps. 2004 - Some minor new erosion. 2006 - Some new erosion, cleaned off older scars and slump faces. 2008 - New, small, partial rotational failure. 2011 - Some new minor erosion. 2012: No observed change. [2012 Site ID: SAC_116-0_L]	39.001413 ° -121.802889 °	38.999745 ° -121.800898 °	49 Y
DWR ID:										
92	30.60	30.60	Earthen Levee	Vegetation	LS	M En	V6 : Landscaping	38.996980 ° -121.794723 °	38.996980 ° -121.794723 °	45 Y
DWR ID: DWR_RD1500_01_s_2012_45										
93	30.94	30.94	Supplemental	USACE Erosion Survey	WS	M Ma	Inspector Comments: 2003 - New sedimentation and some new small toe scallops at the upstream end; downstream end has some new erosion. 2004 - Some new erosion at the toe and upper bank and some small new rotational failures (mainly minor, except at the downstream end). 2007 - Some new slumps. 2009 - Some new scallops and site was extended upstream. 2010 - New deposition along upstream end of site, however there is also new erosion throughout the site. Site seems to be worsening, and eroding fast. Large habitat for bank swallows. 2011 - Some new minor erosion. 2012: Minor new erosion. [2012 Site ID: SAC_116-5_L]	39.006072 ° -121.815926 °	39.003301 ° -121.805024 °	65 Y
DWR ID:										
94	31.63	33.03	Earthen Levee	Vegetation	CR	C Ma	V9 : Keep the crown roadway free of vegetation.	39.005661 ° -121.809339 °	39.016032 ° -121.823127 °	3 Y
DWR ID: DWR_RD1500_01_s_2013_3										
95	31.94	31.94	Earthen Levee	Underseepage Relief Wells	WSA/W	En		39.006722 ° -121.814752 °	39.006722 ° -121.814752 °	86 Y
DWR ID: DWR_RD1500_01_s_2012_86										
96	32.83	33.00	Earthen Levee	Encroachments	LS	M En	DT : Ditch	39.013720 ° -121.825038 °	39.015640 ° -121.823397 °	60 Y
DWR ID: DWR_RD1500_01_s_2012_60										
97	33.33	33.33	Earthen Levee	Encroachments	LS	M En	BU : Building	39.019722 ° -121.820345 °	39.019722 ° -121.820345 °	46 Y
DWR ID: DWR_RD1500_01_s_2012_46										
98	33.41	33.41	Earthen Levee	Encroachments	WS	M En	BU : Building Inspector Comments: Pumping Plant Intake structure	39.020875 ° -121.820273 °	39.020875 ° -121.820273 °	48 Y
DWR ID: DWR_RD1500_01_s_2012_48										
99	33.41	33.41	Earthen Levee	Encroachments	LS	M En	BU : Building	39.020875 ° -121.820272 °	39.020875 ° -121.820272 °	47 Y
DWR ID: DWR_RD1500_01_s_2012_47										

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.58	10/01/2013 10/01/2013	John Williamson

Levee Mile Report Line	5
Start Levee Mile	0.03
End Levee Mile	0.03
Location	Land Side
Category	Earthen Levee
Item	Animal Control
This is one of several rodent holes in the area.	
johngw_f_20130924_386.jpg	



Levee Mile Report Line	5
Start Levee Mile	0.03
End Levee Mile	0.03
Location	Land Side
Category	Earthen Levee
Item	Animal Control
There are multiple rodents hole in the area.	
johngw_f_20130924_387.jpg	



Levee Mile Report Line	5
Start Levee Mile	0.03
End Levee Mile	0.03
Location	Land Side
Category	Earthen Levee
Item	Animal Control
There are many rodent holes a short distance away from the last photo.	
johngw_f_20130924_388.jpg	



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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.58	10/01/2013 10/01/2013	John Williamson

Levee Mile Report Line	6
Start Levee Mile	0.04
End Levee Mile	0.04
Location	Crown
Category	Earthen Levee
Item	Animal Control
A rodent hole in the levee crown, photo taken spring 2012.	
johngw_f_20130924_410.jpg	



Levee Mile Report Line	6
Start Levee Mile	0.04
End Levee Mile	0.04
Location	Crown
Category	Earthen Levee
Item	Animal Control
Two more rodent hole in the crown, photo taken spring 2012.	
johngw_f_20130924_411.jpg	



Levee Mile Report Line	7
Start Levee Mile	0.05
End Levee Mile	0.05
Location	Land Side
Category	Earthen Levee
Item	Animal Control
Many rodent holes and a large one that a dog has enlarged Spring 2013	
johngw_f_20130924_451.JPG	



* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.58	10/01/2013 10/01/2013	John Williamson

Levee Mile Report Line	8
Start Levee Mile	0.07
End Levee Mile	0.07
Location	Land Side
Category	Earthen Levee
Item	Animal Control
<p>There are some old and a few new rodent holes that need to be backfilled.</p>	
<p>johngw_f_20130924_372.jpg</p>	



Levee Mile Report Line	9
Start Levee Mile	0.10
End Levee Mile	0.10
Location	Water Side
Category	Earthen Levee
Item	Animal Control
<p>Many rodent holes in the levee crown. Photo fall 2012.</p>	
<p>johngw_f_20130924_488.jpg</p>	



Levee Mile Report Line	9
Start Levee Mile	0.10
End Levee Mile	0.10
Location	Water Side
Category	Earthen Levee
Item	Animal Control
<p>Rodent holes along the levee shoulder. Photo fall 2012.</p>	
<p>johngw_f_20130924_489.jpg</p>	



<p>* Location</p> <p>LS : Land Side WS : Water Side CR : Crown</p>	<p>** Rating</p> <p>A : Acceptable M : Minimally Acceptable U : Unacceptable</p> <p>N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain</p>	<p>+ Issue Type</p> <p>Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement</p>
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.58	10/01/2013 10/01/2013	John Williamson

Levee Mile Report Line	10
Start Levee Mile	0.28
End Levee Mile	0.28
Location	Water Side
Category	Earthen Levee
Item	Animal Control
Several rodent holes on the waterside levee slope, photo taken spring 2012.	
johngw_f_20130924_458.jpg	



Levee Mile Report Line	11
Start Levee Mile	0.30
End Levee Mile	0.30
Location	Land Side
Category	Earthen Levee
Item	Animal Control
More than five hole in a 25' area, photo taken spring 2012.	
johngw_f_20130924_459.jpg	



Levee Mile Report Line	11
Start Levee Mile	0.30
End Levee Mile	0.30
Location	Land Side
Category	Earthen Levee
Item	Animal Control
Many rodent holes in a small area. Photo fall 2012.	
johngw_f_20130924_460.jpg	



* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.58	10/01/2013 10/01/2013	John Williamson

Levee Mile Report Line	11
Start Levee Mile	0.30
End Levee Mile	0.30
Location	Land Side
Category	Earthen Levee
Item	Animal Control
Rodent hole and damage from the on the levee slope. Photo fall 2012.	
johngw_f_20130924_461.jpg	



Levee Mile Report Line	12
Start Levee Mile	0.32
End Levee Mile	0.32
Location	Land Side
Category	Earthen Levee
Item	Encroachments
Steps carved into the levee slope at a pipe crossing. Photo fall 2012.	
johngw_f_20130924_445.jpg	



Levee Mile Report Line	15
Start Levee Mile	0.57
End Levee Mile	0.83
Location	Water Side
Category	Earthen Levee
Item	Vegetation
A revegetation site waterside toe, photo taken spring 2012.	
johngw_f_20130924_462.jpg	



* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.58	10/01/2013 10/01/2013	John Williamson

Levee Mile Report Line	15
Start Levee Mile	0.57
End Levee Mile	0.83
Location	Water Side
Category	Earthen Levee
Item	Vegetation

A view of the revegetation site.

johngw_f_20130924_463.jpg



Levee Mile Report Line	16
Start Levee Mile	0.64
End Levee Mile	1.06
Location	Land Side
Category	Earthen Levee
Item	Underseepage Relief Wells

Damage to the seepage berm during the flood season needs to be repaired, Spring 2013

johngw_f_20130924_467.JPG



Levee Mile Report Line	17
Start Levee Mile	1.20
End Levee Mile	1.20
Location	Land Side
Category	Earthen Levee
Item	Animal Control

A couple of large rodent holes on the levee slope. Photo fall 2012.

johngw_f_20130924_452.jpg



<p>* Location</p> <p>LS : Land Side WS : Water Side CR : Crown</p>	<p>** Rating</p> <p>A : Acceptable M : Minimally Acceptable U : Unacceptable</p>	<p>N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain</p>	<p>+ Issue Type</p> <p>Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement</p>
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.58	10/01/2013 10/01/2013	John Williamson

Levee Mile Report Line	18
Start Levee Mile	1.34
End Levee Mile	1.34
Location	Land Side
Category	Earthen Levee
Item	Vegetation
Landscape with retaining wall that is in the USACE as-builts Fall 2013	
johngw_f_20131007_938.JPG	



Levee Mile Report Line	19
Start Levee Mile	1.34
End Levee Mile	1.34
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey
USACE 2012 Photo #1	
USACE2013_SAC_86-3_L_1.jpg	



Levee Mile Report Line	19
Start Levee Mile	1.34
End Levee Mile	1.34
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey
USACE 2012 Photo #2	
USACE2013_SAC_86-3_L_2.jpg	



* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.58	10/01/2013 10/01/2013	John Williamson

Levee Mile Report Line	19
Start Levee Mile	1.34
End Levee Mile	1.34
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey
USACE 2012 Photo #3	
USACE2013_SAC_86-3_L_3.jpg	



Levee Mile Report Line	20
Start Levee Mile	2.31
End Levee Mile	2.31
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey
USACE 2012 Photo #1	
USACE2013_SAC_87-1_L_1.jpg	



Levee Mile Report Line	20
Start Levee Mile	2.31
End Levee Mile	2.31
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey
USACE 2012 Photo #2	
USACE2013_SAC_87-1_L_2.jpg	



* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.58	10/01/2013 10/01/2013	John Williamson

Levee Mile Report Line	20
Start Levee Mile	2.31
End Levee Mile	2.31
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey

USACE 2012 Photo #3

USACE2013_SAC_87-1_L_3.jpg



Levee Mile Report Line	21
Start Levee Mile	2.57
End Levee Mile	3.83
Location	Land Side
Category	Earthen Levee
Item	Encroachments

Agricultural ditch, photo was taken in spring 2010.

johngw_f_20130924_494.jpg



Levee Mile Report Line	22
Start Levee Mile	3.73
End Levee Mile	3.73
Location	Water Side
Category	Earthen Levee
Item	Encroachments

The photo is of the abandoned pumphouse. The district has placed a steel plate over the old outlets. They have began filling the structure for safety.

johngw_f_20130924_373.jpg



* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.58	10/01/2013 10/01/2013	John Williamson

Levee Mile Report Line	23
Start Levee Mile	3.98
End Levee Mile	3.98
Location	Land Side
Category	Earthen Levee
Item	Encroachments
<p>A small building is encroaching into the landside levee toe.</p>	
<p>johngw_f_20130924_374.jpg</p>	



Levee Mile Report Line	24
Start Levee Mile	4.01
End Levee Mile	4.01
Location	Land Side
Category	Earthen Levee
Item	Vegetation
<p>The landscape is planted into the encroachment zone within 15' of the toe.</p>	
<p>johngw_f_20130924_375.jpg</p>	



Levee Mile Report Line	25
Start Levee Mile	4.04
End Levee Mile	4.16
Location	Land Side
Category	Earthen Levee
Item	Encroachments
<p>An agricultural ditch runs along the toe of the levee, photo taken spring 2012.</p>	
<p>johngw_f_20130924_446.jpg</p>	



<p>* Location</p> <p>LS : Land Side WS : Water Side CR : Crown</p>	<p>** Rating</p> <p>A : Acceptable M : Minimally Acceptable U : Unacceptable</p> <p>N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain</p>	<p>+ Issue Type</p> <p>Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement</p>
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.58	10/01/2013 10/01/2013	John Williamson

Levee Mile Report Line	26
Start Levee Mile	4.20
End Levee Mile	4.20
Location	Land Side
Category	Earthen Levee
Item	Encroachments
The equipment shed encroaches into the toe of the levee.	
johngw_f_20130924_379.jpg	



Levee Mile Report Line	27
Start Levee Mile	4.65
End Levee Mile	4.65
Location	Land Side
Category	Earthen Levee
Item	Vegetation
The landscape is planted within the encroachment area of 15'.	
johngw_f_20130924_380.jpg	



Levee Mile Report Line	28
Start Levee Mile	5.38
End Levee Mile	5.38
Location	Land Side
Category	Earthen Levee
Item	Vegetation
The landscape completely blocks the landside slope and toe.	
johngw_f_20130924_381.jpg	



* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.58	10/01/2013 10/01/2013	John Williamson

Levee Mile Report Line	29
Start Levee Mile	5.67
End Levee Mile	5.75
Location	Water Side
Category	Earthen Levee
Item	Encroachments
String Razas Fall 2013	
johngw_f_20131007_939.JPG	



Levee Mile Report Line	29
Start Levee Mile	5.67
End Levee Mile	5.75
Location	Water Side
Category	Earthen Levee
Item	Encroachments
String Razas RV park Fall 2013	
johngw_f_20131007_940.JPG	



Levee Mile Report Line	30
Start Levee Mile	7.10
End Levee Mile	7.16
Location	Land Side
Category	Earthen Levee
Item	Encroachments
The land owner has piled prunings along the levee toe.	
johngw_f_20130924_491.jpg	



* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.58	10/01/2013 10/01/2013	John Williamson

Levee Mile Report Line	31
Start Levee Mile	7.21
End Levee Mile	7.21
Location	Land Side
Category	Earthen Levee
Item	Trim / Thin Trees
Trees need to be trimmed to the height of 5 feet to see the slope.	
johngw_f_20130924_492.jpg	



Levee Mile Report Line	32
Start Levee Mile	7.57
End Levee Mile	7.57
Location	Land Side
Category	Earthen Levee
Item	Encroachments
Equipment along landside toe. Photo was taken in spring 2010.	
johngw_f_20130924_383.jpg	



Levee Mile Report Line	33
Start Levee Mile	7.62
End Levee Mile	7.62
Location	Water Side
Category	Earthen Levee
Item	Encroachments
A pile of brush on waterside berm. Fall 2013	
johngw_f_20131007_941.JPG	



* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.58	10/01/2013 10/01/2013	John Williamson

Levee Mile Report Line	34
Start Levee Mile	7.66
End Levee Mile	7.66
Location	Land Side
Category	Earthen Levee
Item	Vegetation
Landscape shrubs, photo taken in spring 2010.	
johngw_f_20130924_384.jpg	



Levee Mile Report Line	36
Start Levee Mile	8.26
End Levee Mile	8.26
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey
USACE 2012 Photo #1	
USACE2013_SAC_92-8_L_1.jpg	



Levee Mile Report Line	36
Start Levee Mile	8.26
End Levee Mile	8.26
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey
USACE 2012 Photo #2	
USACE2013_SAC_92-8_L_2.jpg	



* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.58	10/01/2013 10/01/2013	John Williamson

Levee Mile Report Line	36
Start Levee Mile	8.26
End Levee Mile	8.26
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey
USACE 2012 Photo #3	
USACE2013_SAC_92-8_L_3.jpg	



Levee Mile Report Line	37
Start Levee Mile	8.79
End Levee Mile	8.79
Location	Land Side
Category	Earthen Levee
Item	Encroachments
The corner of the building has encroached into the toe.	
johngw_f_20130924_385.jpg	



Levee Mile Report Line	38
Start Levee Mile	9.47
End Levee Mile	9.71
Location	Water Side
Category	Earthen Levee
Item	Vegetation
Another revegetation site photo taken spring 2012.	
johngw_f_20130924_464.jpg	



* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.58	10/01/2013 10/01/2013	John Williamson

Levee Mile Report Line	38
Start Levee Mile	9.47
End Levee Mile	9.71
Location	Water Side
Category	Earthen Levee
Item	Vegetation
A revegetation site on the waterside bank with sprinklers installed.	
johngw_f_20130924_465.jpg	



Levee Mile Report Line	41
Start Levee Mile	11.43
End Levee Mile	11.43
Location	Land Side
Category	Earthen Levee
Item	Vegetation
The homeowner has landscaped the levee slope.	
johngw_f_20130924_389.jpg	



Levee Mile Report Line	42
Start Levee Mile	11.79
End Levee Mile	11.79
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey
USACE 2012 Photo #1	
USACE2013_SAC_95-8_L_1.jpg	



* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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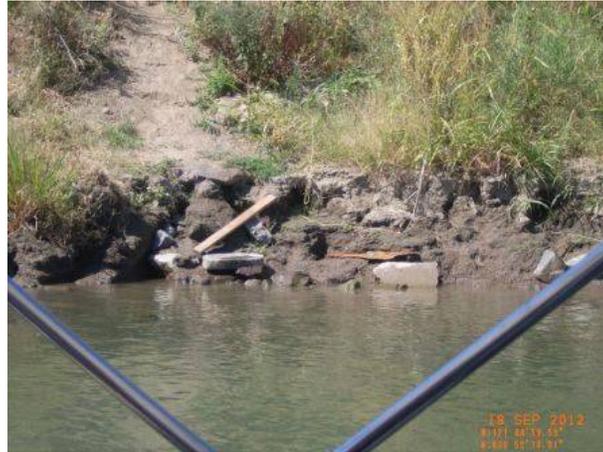
**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.58	10/01/2013 10/01/2013	John Williamson

Levee Mile Report Line	42
Start Levee Mile	11.79
End Levee Mile	11.79
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey
USACE 2012 Photo #2	
USACE2013_SAC_95-8_L_2.jpg	



Levee Mile Report Line	42
Start Levee Mile	11.79
End Levee Mile	11.79
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey
USACE 2012 Photo #3	
USACE2013_SAC_95-8_L_3.jpg	



Levee Mile Report Line	42
Start Levee Mile	11.79
End Levee Mile	11.79
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey
USACE 2012 Photo #4	
USACE2013_SAC_95-8_L_4.jpg	



* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.58	10/01/2013 10/01/2013	John Williamson

Levee Mile Report Line	43
Start Levee Mile	11.93
End Levee Mile	11.93
Location	Water Side
Category	Earthen Levee
Item	Encroachments
Concret debris stockpiled on the waterside. Fall 2013	
johngw_f_20131007_942.JPG	



Levee Mile Report Line	44
Start Levee Mile	11.98
End Levee Mile	11.98
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey
USACE 2012 Photo #1	
USACE2013_SAC_96-2_L_1.jpg	



Levee Mile Report Line	44
Start Levee Mile	11.98
End Levee Mile	11.98
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey
USACE 2012 Photo #2	
USACE2013_SAC_96-2_L_2.jpg	



* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.58	10/01/2013 10/01/2013	John Williamson

Levee Mile Report Line	44
Start Levee Mile	11.98
End Levee Mile	11.98
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey
USACE 2012 Photo #3	
USACE2013_SAC_96-2_L_3.jpg	



Levee Mile Report Line	44
Start Levee Mile	11.98
End Levee Mile	11.98
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey
USACE 2012 Photo #4	
USACE2013_SAC_96-2_L_4.jpg	



Levee Mile Report Line	45
Start Levee Mile	12.02
End Levee Mile	12.02
Location	Water Side
Category	Earthen Levee
Item	Encroachments
Another pile of concrete debris on the waterside. Fall 2013	
johngw_f_20131007_943.JPG	



* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.58	10/01/2013 10/01/2013	John Williamson

Levee Mile Report Line	46
Start Levee Mile	12.15
End Levee Mile	12.15
Location	Water Side
Category	Earthen Levee
Item	Encroachments
<p>The mobile home is the home of the operator for Sutter Municiple Water.</p>	
<p>johngw_f_20130924_392.jpg</p>	



Levee Mile Report Line	47
Start Levee Mile	12.31
End Levee Mile	12.31
Location	Water Side
Category	Earthen Levee
Item	Erosion / Bank Caving
<p>An erosion site along the embankment, photo taken spring 2012.</p>	
<p>johngw_f_20130924_439.jpg</p>	



Levee Mile Report Line	48
Start Levee Mile	12.55
End Levee Mile	12.55
Location	Land Side
Category	Earthen Levee
Item	Encroachments
<p>There is equipment parked along the toe of the levee.</p>	
<p>johngw_f_20130924_393.jpg</p>	



<p>* Location</p> <p>LS : Land Side WS : Water Side CR : Crown</p>	<p>** Rating</p> <p>A : Acceptable M : Minimally Acceptable U : Unacceptable</p> <p>N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain</p>	<p>+ Issue Type</p> <p>Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement</p>
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.58	10/01/2013 10/01/2013	John Williamson

Levee Mile Report Line	49
Start Levee Mile	12.93
End Levee Mile	12.93
Location	Crown
Category	Earthen Levee
Item	Encroachments
<p>On top of the crown is farm equipment and irrigation pipe.</p>	
<p>johngw_f_20130924_394.jpg</p>	



Levee Mile Report Line	50
Start Levee Mile	13.15
End Levee Mile	13.15
Location	Land Side
Category	Earthen Levee
Item	Encroachments
<p>The buildings backside was built into the toe of the levee.</p>	
<p>johngw_f_20130924_395.jpg</p>	



Levee Mile Report Line	51
Start Levee Mile	13.18
End Levee Mile	13.18
Location	Land Side
Category	Earthen Levee
Item	Encroachments
<p>Next to the building there are tires and axles stored at the toe.</p>	
<p>johngw_f_20130924_501.jpg</p>	



<p>* Location</p> <p>LS : Land Side WS : Water Side CR : Crown</p>	<p>** Rating</p> <p>A : Acceptable M : Minimally Acceptable U : Unacceptable</p> <p>N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain</p>	<p>+ Issue Type</p> <p>Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement</p>
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

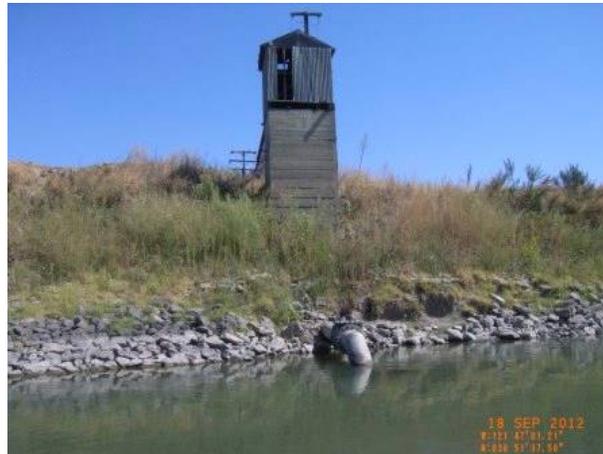
Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.58	10/01/2013 10/01/2013	John Williamson

Levee Mile Report Line	52
Start Levee Mile	13.98
End Levee Mile	13.98
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey
USACE 2012 Photo #1	
USACE2013_SAC_99-0_L_1.jpg	



Levee Mile Report Line	52
Start Levee Mile	13.98
End Levee Mile	13.98
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey
USACE 2012 Photo #2	
USACE2013_SAC_99-0_L_2.jpg	



Levee Mile Report Line	52
Start Levee Mile	13.98
End Levee Mile	13.98
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey
USACE 2012 Photo #3	
USACE2013_SAC_99-0_L_3.jpg	



* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.58	10/01/2013 10/01/2013	John Williamson

Levee Mile Report Line	52
Start Levee Mile	13.98
End Levee Mile	13.98
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey
USACE 2012 Photo #4	
USACE2013_SAC_99-0_L_4.jpg	



Levee Mile Report Line	53
Start Levee Mile	14.09
End Levee Mile	14.09
Location	Crown
Category	Earthen Levee
Item	Encroachments
Firewood has been stacked on top of the levee crown.	
johngw_f_20130924_396.jpg	



Levee Mile Report Line	54
Start Levee Mile	14.13
End Levee Mile	14.13
Location	Water Side
Category	Earthen Levee
Item	Encroachments
View of equipment. Photo was taken in spring 2010.	
johngw_f_20130924_397.jpg	



* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.58	10/01/2013 10/01/2013	John Williamson

Levee Mile Report Line	55
Start Levee Mile	14.32
End Levee Mile	14.32
Location	Land Side
Category	Earthen Levee
Item	Animal Control
Rodent hole in the levee slope above the retaining wall, Spring 2013	
johngw_f_20130924_478.JPG	



Levee Mile Report Line	56
Start Levee Mile	14.35
End Levee Mile	14.35
Location	Land Side
Category	Earthen Levee
Item	Encroachments
Building and wall into levee. Photo was taken in spring 2010.	
johngw_f_20130924_402.jpg	



Levee Mile Report Line	57
Start Levee Mile	14.39
End Levee Mile	14.39
Location	Land Side
Category	Earthen Levee
Item	Vegetation
Landscape shrubs on shoulder. Photo was taken in spring 2010.	
johngw_f_20130924_403.jpg	



* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.58	10/01/2013 10/01/2013	John Williamson

Levee Mile Report Line	58
Start Levee Mile	14.42
End Levee Mile	14.42
Location	Land Side
Category	Earthen Levee
Item	Trim / Thin Trees

The trees on the landside slope blocks the view of the slope, photo taken spring 2012.

johngw_f_20130924_468.jpg



Levee Mile Report Line	59
Start Levee Mile	14.86
End Levee Mile	15.93
Location	Land Side
Category	Earthen Levee
Item	Encroachments

Agricultural ditch, photo taken in spring 2010.

johngw_f_20130924_495.jpg



Levee Mile Report Line	60
Start Levee Mile	15.27
End Levee Mile	15.27
Location	Land Side
Category	Earthen Levee
Item	Encroachments

Fence into levee toe, photo taken in spring 2010.

johngw_f_20130924_391.jpg



* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.58	10/01/2013 10/01/2013	John Williamson

Levee Mile Report Line	61
Start Levee Mile	15.27
End Levee Mile	15.27
Location	Water Side
Category	Earthen Levee
Item	Encroachments
Rip rap and concrete debris, photo taken in spring 2010.	
johngw_f_20130924_390.jpg	



Levee Mile Report Line	62
Start Levee Mile	15.94
End Levee Mile	15.94
Location	Water Side
Category	Earthen Levee
Item	Encroachments
Farm equipment has been parked on the waterside berm.	
johngw_f_20130924_404.jpg	



Levee Mile Report Line	63
Start Levee Mile	16.37
End Levee Mile	16.37
Location	Land Side
Category	Earthen Levee
Item	Encroachments
The equipment is parked along the toe of the levee, photo taken spring 2012.	
johngw_f_20130924_469.jpg	



* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.58	10/01/2013 10/01/2013	John Williamson

Levee Mile Report Line	64
Start Levee Mile	16.48
End Levee Mile	16.48
Location	Land Side
Category	Earthen Levee
Item	Vegetation
Landscape shrubs, photo taken in spring 2010.	
johngw_f_20130924_405.jpg	



Levee Mile Report Line	65
Start Levee Mile	16.86
End Levee Mile	17.45
Location	Land Side
Category	Earthen Levee
Item	Encroachments
Agricultural ditch, photo taken in spring 2010.	
johngw_f_20130924_496.jpg	



Levee Mile Report Line	66
Start Levee Mile	18.28
End Levee Mile	18.28
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey
USACE 2012 Photo #1	
USACE2013_SAC_103-4_L_1.jpg	



* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.58	10/01/2013 10/01/2013	John Williamson

Levee Mile Report Line	66
Start Levee Mile	18.28
End Levee Mile	18.28
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey
USACE 2012 Photo #2	
USACE2013_SAC_103-4_L_2.jpg	



Levee Mile Report Line	67
Start Levee Mile	18.38
End Levee Mile	18.38
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey
USACE 2012 Photo #1	
USACE2013_SAC_104-0_L_1.jpg	



Levee Mile Report Line	67
Start Levee Mile	18.38
End Levee Mile	18.38
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey
USACE 2012 Photo #2	
USACE2013_SAC_104-0_L_2.jpg	



* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.58	10/01/2013 10/01/2013	John Williamson

Levee Mile Report Line	67
Start Levee Mile	18.38
End Levee Mile	18.38
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey
USACE 2012 Photo #3	
USACE2013_SAC_104-0_L_3.jpg	



Levee Mile Report Line	67
Start Levee Mile	18.38
End Levee Mile	18.38
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey
USACE 2012 Photo #4	
USACE2013_SAC_104-0_L_4.jpg	



Levee Mile Report Line	67
Start Levee Mile	18.38
End Levee Mile	18.38
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey
USACE 2012 Photo #5	
USACE2013_SAC_104-0_L_5.jpg	



* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.58	10/01/2013 10/01/2013	John Williamson

Levee Mile Report Line	67
Start Levee Mile	18.38
End Levee Mile	18.38
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey
USACE 2012 Photo #6	
USACE2013_SAC_104-0_L_6.jpg	



Levee Mile Report Line	67
Start Levee Mile	18.38
End Levee Mile	18.38
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey
USACE 2012 Photo #7	
USACE2013_SAC_104-0_L_7.jpg	



Levee Mile Report Line	67
Start Levee Mile	18.38
End Levee Mile	18.38
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey
USACE 2012 Photo #8	
USACE2013_SAC_104-0_L_8.jpg	



* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.58	10/01/2013 10/01/2013	John Williamson

Levee Mile Report Line	68
Start Levee Mile	18.50
End Levee Mile	18.50
Location	Water Side
Category	Earthen Levee
Item	Erosion / Bank Caving
This is an inside curve in the river and erosion has occurred.	
johngw_f_20130924_440.jpg	



Levee Mile Report Line	68
Start Levee Mile	18.50
End Levee Mile	18.50
Location	Water Side
Category	Earthen Levee
Item	Erosion / Bank Caving
This is an upstream view of the same erosion.	
johngw_f_20130924_441.jpg	



Levee Mile Report Line	69
Start Levee Mile	19.16
End Levee Mile	19.16
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey
USACE 2012 Photo #1	
USACE2013_SAC_104-5_L_1.jpg	



* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.58	10/01/2013 10/01/2013	John Williamson

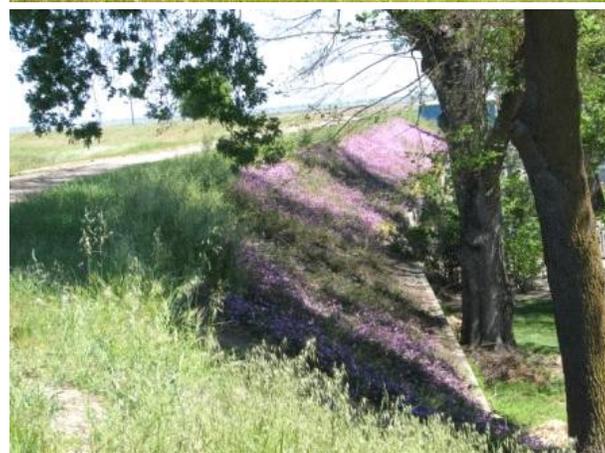
Levee Mile Report Line	69
Start Levee Mile	19.16
End Levee Mile	19.16
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey
USACE 2012 Photo #2	
USACE2013_SAC_104-5_L_2.jpg	



Levee Mile Report Line	70
Start Levee Mile	19.19
End Levee Mile	19.19
Location	Land Side
Category	Earthen Levee
Item	Encroachments
Building and wall into levee with landscape, photo taken in spring 2010.	
johngw_f_20130924_412.jpg	



Levee Mile Report Line	71
Start Levee Mile	19.22
End Levee Mile	19.22
Location	Land Side
Category	Earthen Levee
Item	Vegetation
The groundcover is on the levee slope above the concrete retaining wall. The groundcover is irrigated.	
johngw_f_20130924_413.jpg	



* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.58	10/01/2013 10/01/2013	John Williamson

Levee Mile Report Line	74
Start Levee Mile	20.86
End Levee Mile	21.40
Location	Land Side
Category	Earthen Levee
Item	Encroachments
Agricultural ditch, photo taken in spring 2010.	
johngw_f_20130924_497.jpg	



Levee Mile Report Line	80
Start Levee Mile	24.04
End Levee Mile	24.04
Location	Land Side
Category	Earthen Levee
Item	Encroachments
Pole barn and some equipment, photo taken in spring 2010.	
johngw_f_20130924_421.jpg	



Levee Mile Report Line	81
Start Levee Mile	24.44
End Levee Mile	24.60
Location	Land Side
Category	Earthen Levee
Item	Encroachments
Agricultural ditch, photo taken in spring 2010.	
johngw_f_20130924_498.jpg	



* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.58	10/01/2013 10/01/2013	John Williamson

Levee Mile Report Line	83
Start Levee Mile	25.17
End Levee Mile	25.17
Location	Land Side
Category	Earthen Levee
Item	Animal Control
A rodent burrow on the landside Fall 2013	
johngw_f_20131007_944.JPG	



Levee Mile Report Line	83
Start Levee Mile	25.17
End Levee Mile	25.17
Location	Land Side
Category	Earthen Levee
Item	Animal Control
Multiple rodent burrows on landside slope. Fall 2013	
johngw_f_20131007_945.JPG	



Levee Mile Report Line	84
Start Levee Mile	26.68
End Levee Mile	26.68
Location	Land Side
Category	Earthen Levee
Item	Animal Control
Many rodent holes on the levee slope. Photo fall 2012.	
johngw_f_20130924_486.jpg	



* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.58	10/01/2013 10/01/2013	John Williamson

Levee Mile Report Line	86
Start Levee Mile	26.84
End Levee Mile	27.07
Location	Land Side
Category	Earthen Levee
Item	Encroachments
Agricultural ditch, photo taken in spring 2010.	
johngw_f_20130924_499.jpg	



Levee Mile Report Line	87
Start Levee Mile	27.63
End Levee Mile	27.78
Location	Land Side
Category	Earthen Levee
Item	Encroachments
Agricultural ditch, photo taken in spring 2010.	
johngw_f_20130924_500.jpg	



Levee Mile Report Line	88
Start Levee Mile	28.57
End Levee Mile	29.60
Location	Land Side
Category	Earthen Levee
Item	Encroachments
The agricultural ditch runs along the toe of the levee, photo taken spring 2012.	
johngw_f_20130924_414.jpg	



* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.58	10/01/2013 10/01/2013	John Williamson

Levee Mile Report Line	89
Start Levee Mile	29.31
End Levee Mile	29.54
Location	Water Side
Category	Earthen Levee
Item	Vegetation
Another revegetation site on the waterside berm, photo taken spring 2012.	
johngw_f_20130924_473.jpg	



Levee Mile Report Line	89
Start Levee Mile	29.31
End Levee Mile	29.54
Location	Water Side
Category	Earthen Levee
Item	Vegetation
A photo of the revegetation site.	
johngw_f_20130924_474.jpg	



Levee Mile Report Line	91
Start Levee Mile	30.60
End Levee Mile	30.60
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey
USACE 2012 Photo #1	
USACE2013_SAC_116-0_L_1.jpg	



* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.58	10/01/2013 10/01/2013	John Williamson

Levee Mile Report Line	91
Start Levee Mile	30.60
End Levee Mile	30.60
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey
USACE 2012 Photo #2	
USACE2013_SAC_116-0_L_2.jpg	



Levee Mile Report Line	91
Start Levee Mile	30.60
End Levee Mile	30.60
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey
USACE 2012 Photo #3	
USACE2013_SAC_116-0_L_3.jpg	



Levee Mile Report Line	92
Start Levee Mile	30.60
End Levee Mile	30.60
Location	Land Side
Category	Earthen Levee
Item	Vegetation
The groundcover in the landscape makes it hard to see the levee slope.	
johngw_f_20130924_432.jpg	



* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.58	10/01/2013 10/01/2013	John Williamson

Levee Mile Report Line	93
Start Levee Mile	30.94
End Levee Mile	30.94
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey
USACE 2012 Photo #1	
USACE2013_SAC_116-5_L_1.jpg	



Levee Mile Report Line	93
Start Levee Mile	30.94
End Levee Mile	30.94
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey
USACE 2012 Photo #2	
USACE2013_SAC_116-5_L_2.jpg	



Levee Mile Report Line	93
Start Levee Mile	30.94
End Levee Mile	30.94
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey
USACE 2012 Photo #3	
USACE2013_SAC_116-5_L_3.jpg	



* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.58	10/01/2013 10/01/2013	John Williamson

Levee Mile Report Line	93
Start Levee Mile	30.94
End Levee Mile	30.94
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey
USACE 2012 Photo #4	
USACE2013_SAC_116-5_L_4.jpg	



Levee Mile Report Line	95
Start Levee Mile	31.94
End Levee Mile	31.94
Location	Water Side
Category	Earthen Levee
Item	Underseepage Relief Wells
The control unit for pizometers installed in 2012, photo taken spring 2012.	
johngw_f_20130924_476.jpg	



Levee Mile Report Line	96
Start Levee Mile	32.83
End Levee Mile	33.00
Location	Land Side
Category	Earthen Levee
Item	Encroachments
Older, unused agricultural ditch. Tree stump needs to be removed.	
johngw_f_20130924_450.jpg	



* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.58	10/01/2013 10/01/2013	John Williamson

Levee Mile Report Line	97
Start Levee Mile	33.33
End Levee Mile	33.33
Location	Land Side
Category	Earthen Levee
Item	Encroachments
The building is within the easement of the levee toe.	
johngw_f_20130924_433.jpg	



Levee Mile Report Line	98
Start Levee Mile	33.41
End Levee Mile	33.41
Location	Water Side
Category	Earthen Levee
Item	Encroachments
The buildings are on the waterside of the crown. Control buildings for the pumping plant.	
johngw_f_20130924_435.jpg	



Levee Mile Report Line	99
Start Levee Mile	33.41
End Levee Mile	33.41
Location	Land Side
Category	Earthen Levee
Item	Encroachments
The building is the pumping plant for Sutter Municipal.	
johngw_f_20130924_434.jpg	



* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.58	10/01/2013 10/01/2013	John Williamson

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2013 Levee Inspection Results

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles
Unit No. 02 Sutter Bypass	Right	20.77

	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			M	
Date of Inspection	-		10/02/2013 - 10/02/2013	
DWR Inspector	John Williamson		John Williamson	
Accompanied By				

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 1500 Sutter Basin

Waterway			Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sutter Bypass			Right	20.77	10/02/2013 10/02/2013	John Williamson

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
1	0.01	0.01	Earthen Levee	Encroachments	WS	M Ma	EQ : Equipment	38.761192 ° -121.674623 °	38.761192 ° -121.674623 °	12 Y
DWR ID: DWR_RD1500_02_s_2012_12										
2	0.01	0.01	Earthen Levee	Vegetation	WS	A Ma	V1 : Control annual grass and weeds on the levee slopes and easements.	° °	° °	7 Y
DWR ID: DWR_RD1500_02_s_2012_7										
3	0.01	0.01	Earthen Levee	Vegetation	LS	A Ma	V1 : Control annual grass and weeds on the levee slopes and easements.	° °	° °	21 Y
DWR ID: DWR_RD1500_02_f_2013_21										
4	2.02	6.67	Earthen Levee	Vegetation	CR	C Ma	V9 : Keep the crown roadway free of vegetation. Inspector Comments: The levee crown needs to be sprayed for weeds.	38.785364 ° -121.654634 °	38.849925 ° -121.653920 °	3 Y
DWR ID: DWR_RD1500_02_s_2013_3										
5	3.34	3.34	Earthen Levee	Animal Control	LS	M Ma	A1 : Exterminate rodents and backfill and compact or grout burrows.	38.803810 ° -121.657095 °	38.803810 ° -121.657095 °	1 Y
DWR ID: DWR_RD1500_02_f_2013_1										
6	3.42	3.42	Earthen Levee	Animal Control	LS	M Ma	A1 : Exterminate rodents and backfill and compact or grout burrows.	38.804993 ° -121.657523 °	38.804993 ° -121.657523 °	6 Y
DWR ID: DWR_RD1500_02_f_2013_6										
7	3.98	3.98	Earthen Levee	Animal Control	LS	M Ma	A1 : Exterminate rodents and backfill and compact or grout burrows.	38.812725 ° -121.660802 °	38.812725 ° -121.660802 °	8 Y
DWR ID: DWR_RD1500_02_f_2013_8										
8	4.16	4.16	Earthen Levee	Animal Control	LS	M Ma	A1 : Exterminate rodents and backfill and compact or grout burrows.	38.815070 ° -121.661787 °	38.815070 ° -121.661787 °	19 Y
DWR ID: DWR_RD1500_02_f_2013_19										
9	6.23	6.23	Earthen Levee	Animal Control	LS	M Ma	A1 : Exterminate rodents and backfill and compact or grout burrows.	38.843900 ° -121.656275 °	38.843900 ° -121.656275 °	20 Y
DWR ID: DWR_RD1500_02_f_2013_20										
10	7.30	14.85	Earthen Levee	Vegetation	CR	C Ma	V9 : Keep the crown roadway free of vegetation.	38.858687 ° -121.650485 °	38.954553 ° -121.677259 °	5 Y
DWR ID: DWR_RD1500_02_s_2013_5										
11	14.22	14.22	Earthen Levee	Underseepage Relief Wells	LS	A/W Ma		38.947582 ° -121.669740 °	38.947582 ° -121.669740 °	4 Y
DWR ID: DWR_RD1500_02_s_2012_4										
12	14.40	14.40	Earthen Levee	Underseepage Relief Wells	LS	U Ma	Inspector Comments: Fall 2013, work has been done on the seepage well. Unsure if it operates properly.	38.949640 ° -121.671947 °	38.949640 ° -121.671947 °	10 Y
DWR ID: DWR_RD1500_02_s_2012_10										
13	14.56	14.56	Earthen Levee	Underseepage Relief Wells	LS	A/W Ma		38.951398 ° -121.673827 °	38.951398 ° -121.673827 °	11 Y
DWR ID: DWR_RD1500_02_s_2012_11										
14	14.69	14.69	Earthen Levee	Animal Control	WS	C Ma	A1 : Exterminate rodents and backfill and compact or grout burrows.	38.952799 ° -121.675351 °	38.952799 ° -121.675351 °	9 Y
DWR ID: DWR_RD1500_02_s_2013_9										
15	17.19	20.76	Earthen Levee	Vegetation	CR	C Ma	V9 : Keep the crown roadway free of vegetation.	38.976813 ° -121.710469 °	39.021276 ° -121.741109 °	14 Y
DWR ID: DWR_RD1500_02_s_2013_14										

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sutter Bypass	Right	20.77	10/02/2013 10/02/2013	John Williamson

LMIR No.	Levee Mile		Category	Item	* Location	+ Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
16	17.50	17.50	Earthen Levee	Animal Control	LS Ma	C	A1 : Exterminate rodents and backfill and compact or grout burrows.	38.979638 ° -121.714927 °	38.979638 ° -121.714927 °	2
DWR ID: DWR_RD1500_02_f_2012_2										
17	17.77	17.77	Earthen Levee	Vegetation	WS Ma	C	V7 : Trees / Woody Vegetation	38.982121 ° -121.718893 °	38.982121 ° -121.718893 °	16
DWR ID: DWR_RD1500_02_s_2013_16										
18	18.23	18.23	Earthen Levee	Vegetation	WS Ma	C	V7 : Trees / Woody Vegetation	38.986948 ° -121.724961 °	38.986948 ° -121.724961 °	17
DWR ID: DWR_RD1500_02_s_2013_17										
19	18.24	18.24	Earthen Levee	Underseepage Relief Wells	LS Ma	A/W		38.987092 ° -121.725097 °	38.987092 ° -121.725097 °	13 Y
DWR ID: DWR_RD1500_02_s_2012_13										
20	18.48	18.48	Earthen Levee	Underseepage Relief Wells	LS Ma	A/W		38.989813 ° -121.727763 °	38.989813 ° -121.727763 °	15 Y
DWR ID: DWR_RD1500_02_s_2012_15										
21	18.53	18.53	Earthen Levee	Vegetation	WS Ma	C	V7 : Trees / Woody Vegetation	38.990409 ° -121.728314 °	38.990409 ° -121.728314 °	18
DWR ID: DWR_RD1500_02_s_2013_18										

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sutter Bypass	Right	20.77	10/02/2013 10/02/2013	John Williamson

Levee Mile Report Line	1
Start Levee Mile	0.01
End Levee Mile	0.01
Location	Water Side
Category	Earthen Levee
Item	Encroachments
Farm equipment is parked on the levee slope. Photo fall 2012.	
johngw_f_20130924_512.jpg	



Levee Mile Report Line	2
Start Levee Mile	0.01
End Levee Mile	0.01
Location	Water Side
Category	Earthen Levee
Item	Vegetation
Waterside levee slope has been burned and dragged Fall 2013	
johngw_f_20131007_947.JPG	



Levee Mile Report Line	3
Start Levee Mile	0.01
End Levee Mile	0.01
Location	Land Side
Category	Earthen Levee
Item	Vegetation
Landside levee slope has been burned and dragged. Fall 2013	
johngw_f_20131007_955.JPG	



* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sutter Bypass	Right	20.77	10/02/2013 10/02/2013	John Williamson

Levee Mile Report Line	5
Start Levee Mile	3.34
End Levee Mile	3.34
Location	Land Side
Category	Earthen Levee
Item	Animal Control
Rodent hole on the landside levee toe. Fall 2013	
johngw_f_20131007_948.JPG	



Levee Mile Report Line	6
Start Levee Mile	3.42
End Levee Mile	3.42
Location	Land Side
Category	Earthen Levee
Item	Animal Control
Rodent hole on the landside toe. A bait station is close by. Fall 2013	
johngw_f_20131007_949.JPG	



Levee Mile Report Line	7
Start Levee Mile	3.98
End Levee Mile	3.98
Location	Land Side
Category	Earthen Levee
Item	Animal Control
A large rodent hole on the landside levee slope. Fall 2013	
johngw_f_20131007_950.JPG	



* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sutter Bypass	Right	20.77	10/02/2013 10/02/2013	John Williamson

Levee Mile Report Line	8
Start Levee Mile	4.16
End Levee Mile	4.16
Location	Land Side
Category	Earthen Levee
Item	Animal Control
A rodent hole on the landside levee slope. Fall 2013	
johngw_f_20131007_951.JPG	



Levee Mile Report Line	9
Start Levee Mile	6.23
End Levee Mile	6.23
Location	Land Side
Category	Earthen Levee
Item	Animal Control
A rodent hole at the toe. Fall 2013	
johngw_f_20131007_952.JPG	



Levee Mile Report Line	11
Start Levee Mile	14.22
End Levee Mile	14.22
Location	Land Side
Category	Earthen Levee
Item	Underseepage Relief Wells
The relief well at boil 12, photo taken spring 2012.	
johngw_f_20130924_504.jpg	



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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sutter Bypass	Right	20.77	10/02/2013 10/02/2013	John Williamson

Levee Mile Report Line	12
Start Levee Mile	14.40
End Levee Mile	14.40
Location	Land Side
Category	Earthen Levee
Item	Underseepage Relief Wells
The seepage well and pad needs to be repaired, Spring 2013	
johngw_f_20130924_510.JPG	



Levee Mile Report Line	12
Start Levee Mile	14.40
End Levee Mile	14.40
Location	Land Side
Category	Earthen Levee
Item	Underseepage Relief Wells
The pieces of the puzzle have been placed back. Unsure if repaired. Fall 2013	
johngw_f_20131007_953.JPG	



Levee Mile Report Line	13
Start Levee Mile	14.56
End Levee Mile	14.56
Location	Land Side
Category	Earthen Levee
Item	Underseepage Relief Wells
A relief well at boil 16, photo taken spring 2012.	
johngw_f_20130924_511.jpg	



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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sutter Bypass	Right	20.77	10/02/2013 10/02/2013	John Williamson

Levee Mile Report Line	19
Start Levee Mile	18.24
End Levee Mile	18.24
Location	Land Side
Category	Earthen Levee
Item	Underseepage Relief Wells
Toe drainage systems along the toe berm four total, photo taken spring 2012.	
johngw_f_20130924_513.jpg	



Levee Mile Report Line	19
Start Levee Mile	18.24
End Levee Mile	18.24
Location	Land Side
Category	Earthen Levee
Item	Underseepage Relief Wells
Two of five drains on the landside berm. Photo fall 2012.	
johngw_f_20130924_514.jpg	



Levee Mile Report Line	20
Start Levee Mile	18.48
End Levee Mile	18.48
Location	Land Side
Category	Earthen Levee
Item	Underseepage Relief Wells
A toe drainage system at the toe berm, photo taken spring 2012.	
johngw_f_20130924_516.jpg	



* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sutter Bypass	Right	20.77	10/02/2013 10/02/2013	John Williamson

Levee Mile Report Line	20
Start Levee Mile	18.48
End Levee Mile	18.48
Location	Land Side
Category	Earthen Levee
Item	Underseepage Relief Wells
Another toe drainage system close by, photo taken spring 2012.	
johngw_f_20130924_517.jpg	



* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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